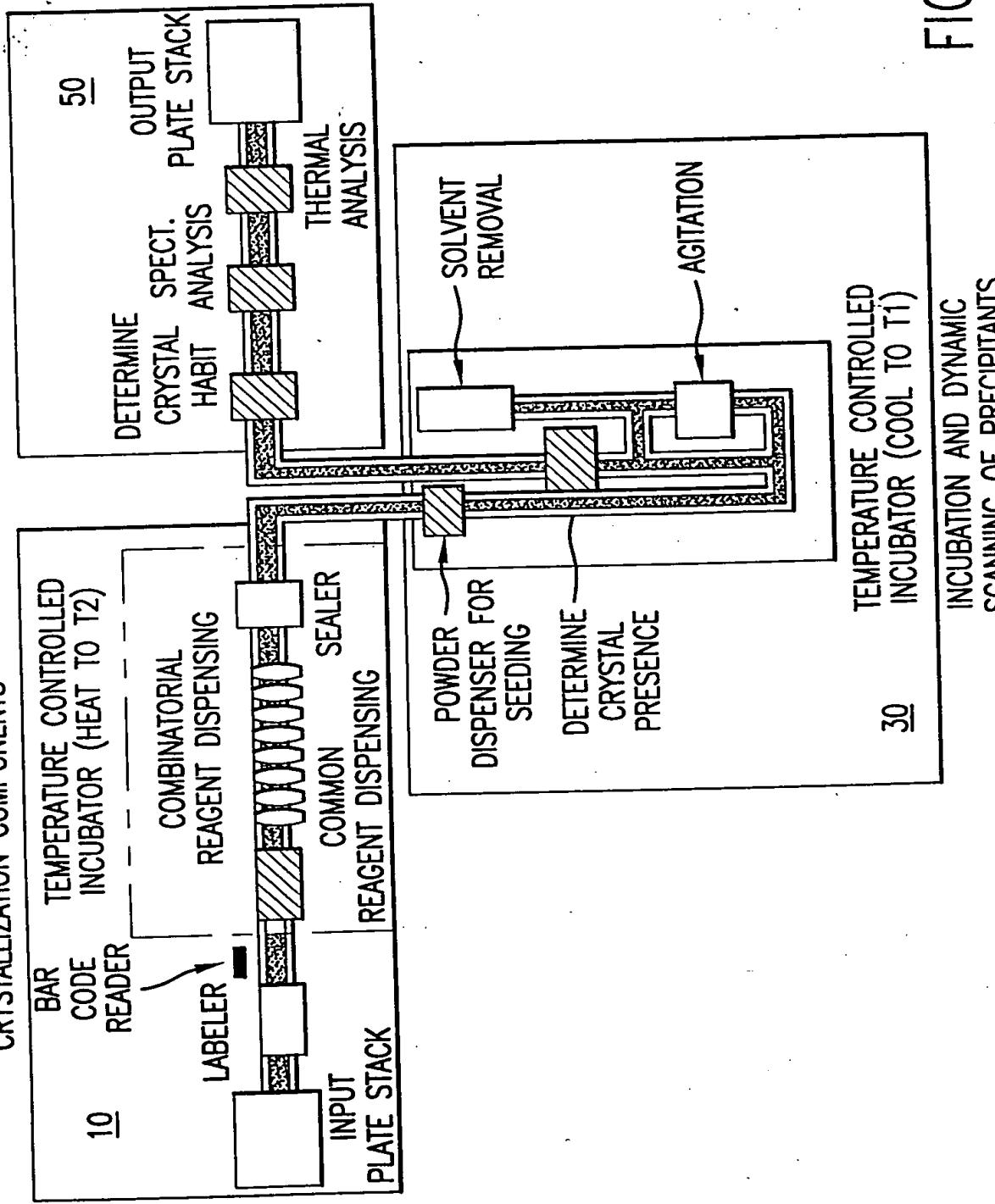


FIG. 1

COMBINATORIAL MIXING OF
CRYSTALLIZATION COMPONENTS

IN-DEPTH CHARACTERIZATION
OF LEAD CANDIDATES



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FIG. 2A

INCUBATION AND DYNAMIC
SCANNING OF PRECIPITANTS

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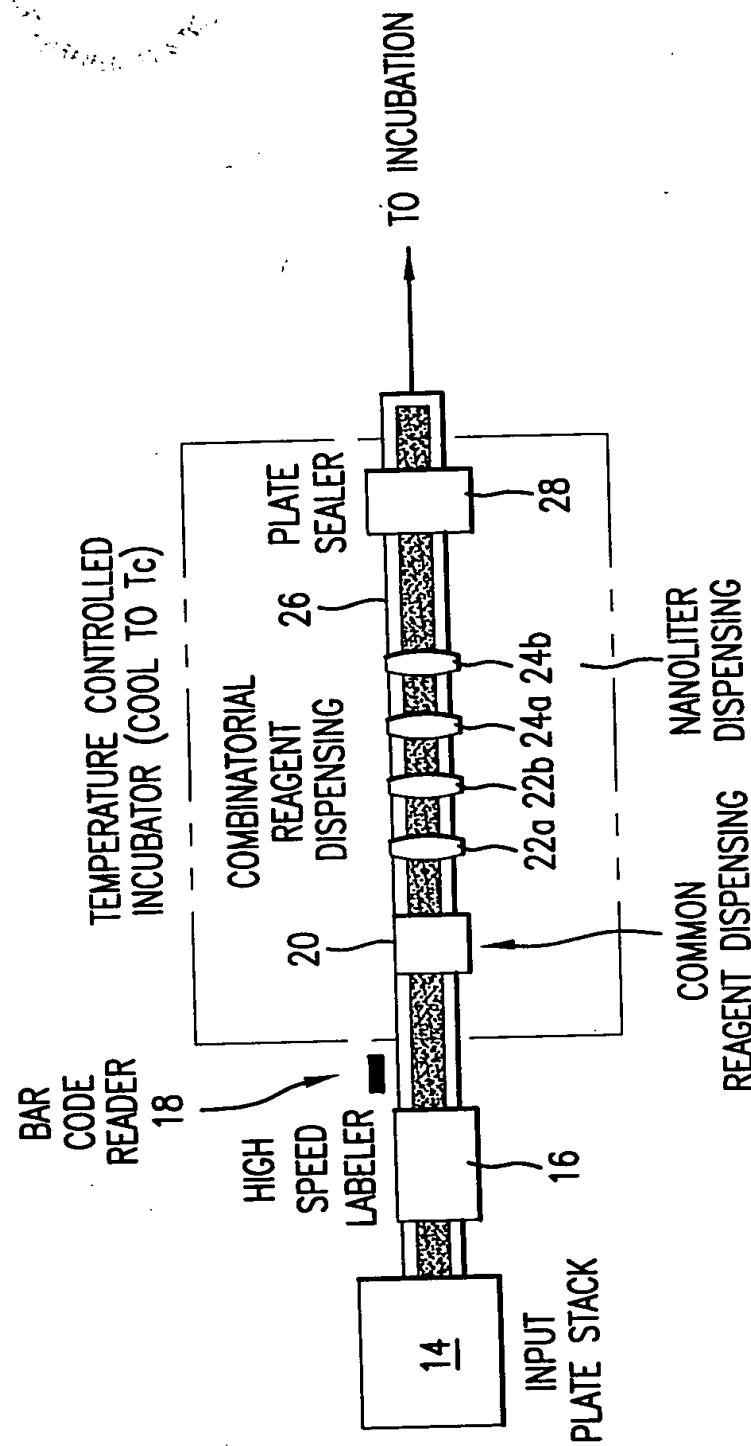


FIG. 2B

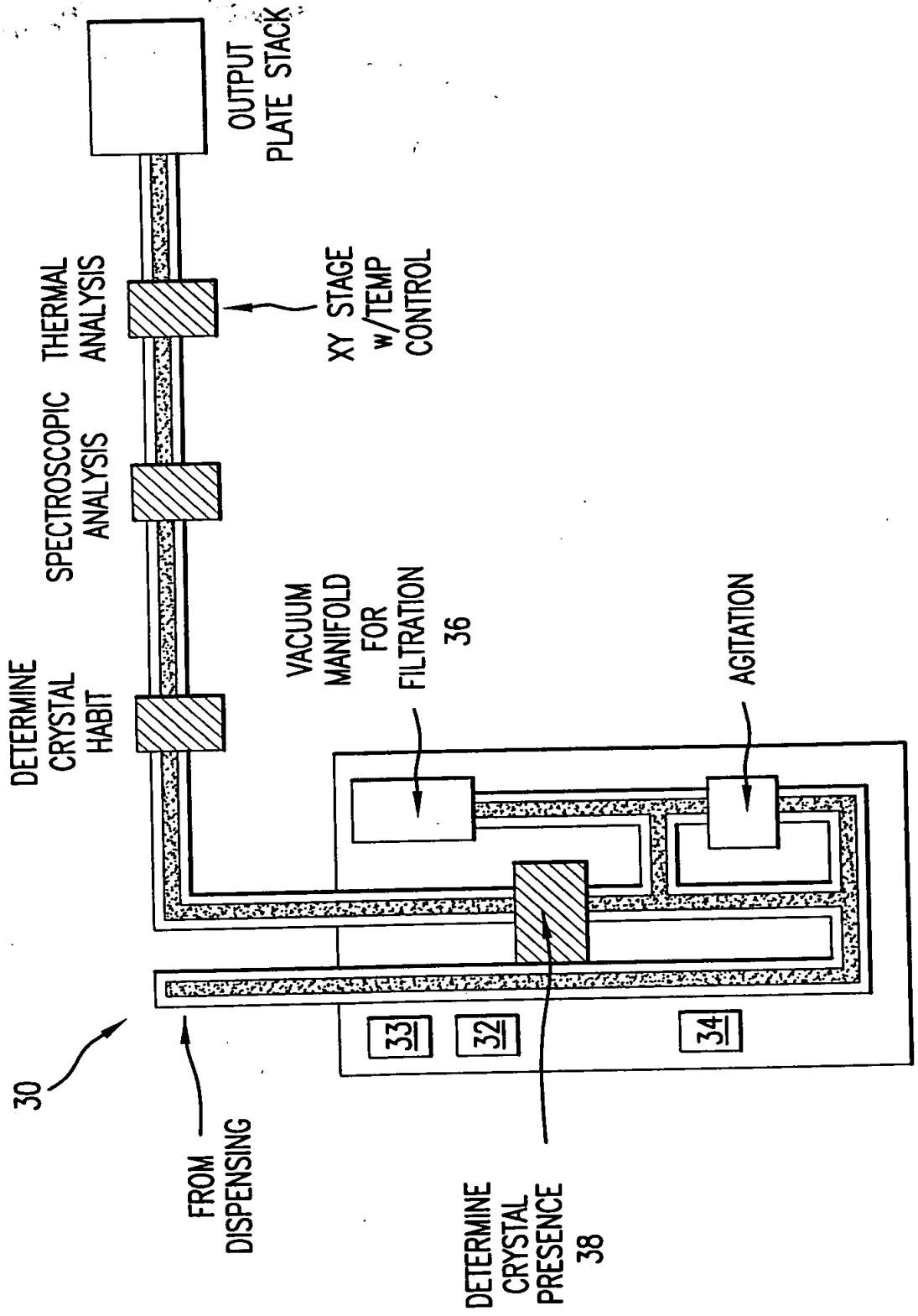


FIG. 2C

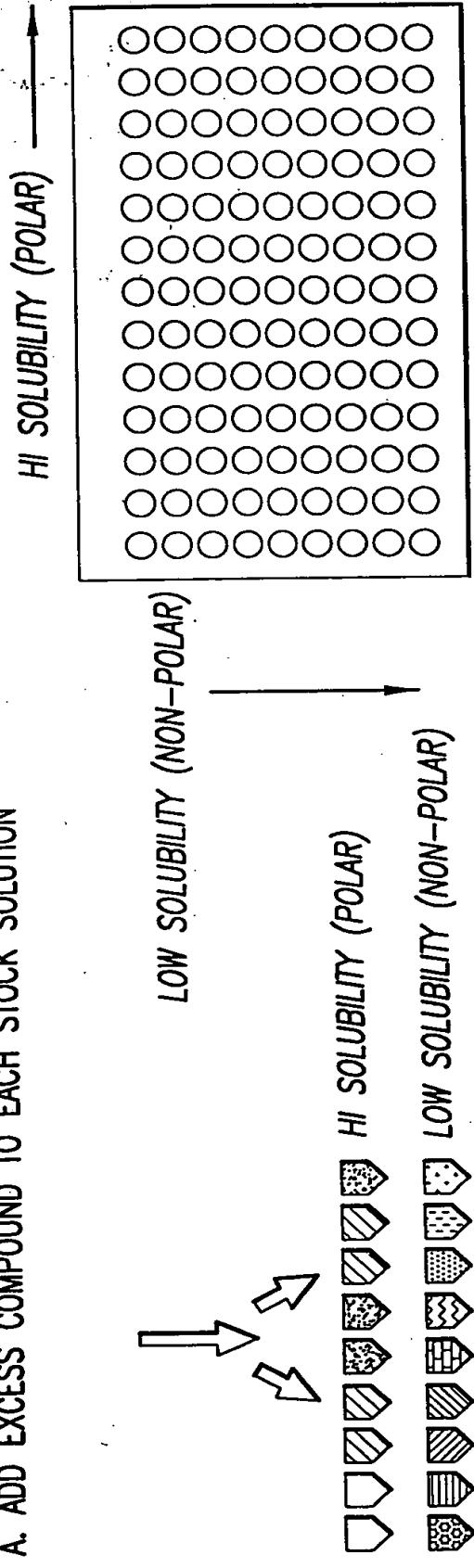
ISOTHERMIC CRYSTALLIZATION

I. GENERATION OF STOCK SATURATED SOLUTIONS USING

A. ADD EXCESS COMPOUND TO EACH STOCK SOLUTION

II. DISTRIBUTE STOCK SOLUTIONS/GENERATE MIXTURE

A. ADD EXCESS COMPOUND TO EACH STOCK SOLUTION



B. THOROUGHLY MIX, FILTER SOLUTIONS TO REMOVE

ANY UNDISSOLVED MATERIAL

II. MONITOR PRECIPITATION (OPTICAL DENSITY)

III. EXAMINE CRYSTALLINITY BY BIREFRINGENCE

IV. TEST CRYSTAL FORMS BY XRPD

V. DIFFERENT CRYSTALS TESTED BY DSC AND TG

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FIG. 3A

TEMPERATURE-MEDIATED CRYSTALLIZATION

I. GENERATION OF STOCK SATURATED SOLUTIONS USING

A. ADD EXCESS COMPOUND TO EACH STOCK SOLUTION AT
VARIOUS TEMPS 80°C, 60°C, 40°C, 20°C, 10°C,

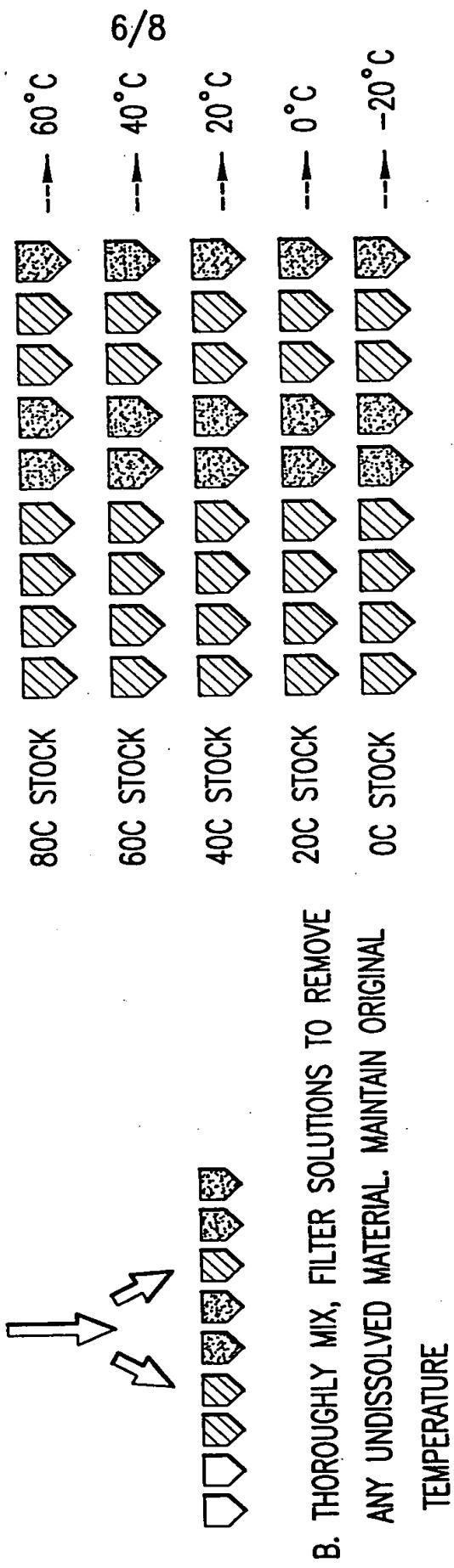
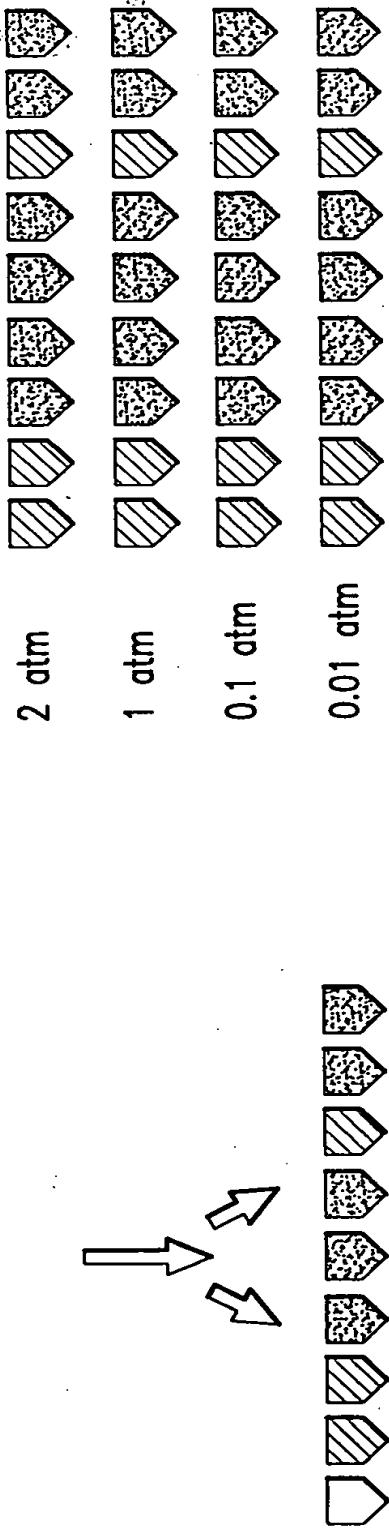


FIG. 3B

EVAPORATIVE CRYSTALLIZATION

I. GENERATION OF STOCK SATURATED SOLUTIONS USING II. CONTROLLED PRESSURE RAMP DOWN (TEMPERATURE)

A. ADD EXCESS COMPOUND TO EACH STOCK SOLUTION



B. THOROUGHLY MIX, FILTER SOLUTIONS TO REMOVE ANY
UN-DISSOLVED MATERIAL. MAINTAIN ORIGINAL TEMPERATURE

FIG. 3C

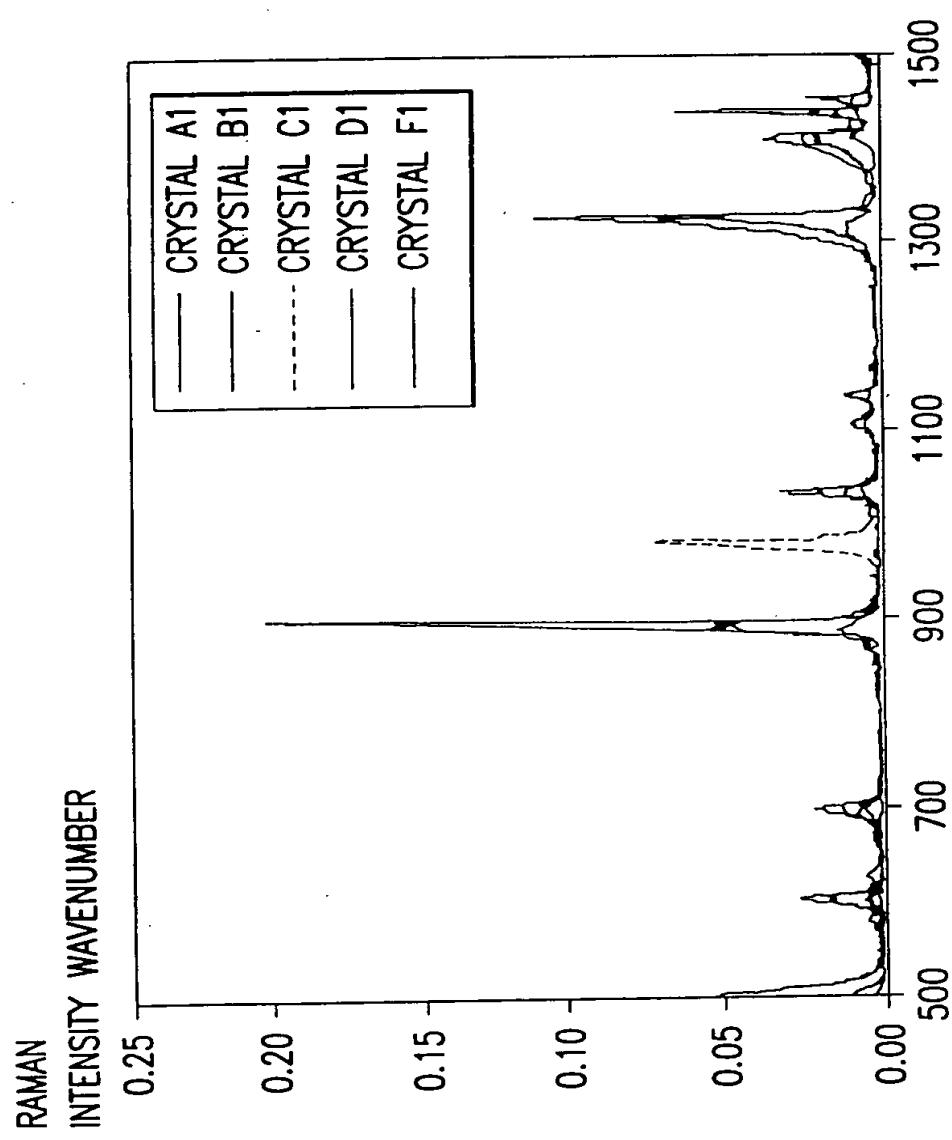


FIG.4